



Overview

Amphenol RF offers pre-configured 2.92 mm cable assemblies for precision laboratory use and SATCOM applications. These 50 ohm straight plug to plug assemblies are designed on hand formable cable types which offers increased flexibility and is a versatile alternative to semi-rigid coaxial cable.

2.92 mm cable assemblies offer low VSWR and excellent return and insertion loss, along with high power handling capabilities. 2.92 connectors are sometimes referred to as K connectors and have the ability to mate with SMA, 3.5 mm and other K or 2.92 mm interconnects. The threaded interfaces provides secure mating in environments with constant shock and vibration.

Features and Benefits

- High performance up to 40 GHz
- Low VSWR
- Excellent return loss and insertion loss
- Ruggedized construction for repeatability
- Easy installation

Applications

- Optical Testing
- Lab & Bench Testing
- Military
- Satellite Communication Equipment (SATCOM)
- Microwave
- Quantum Computing

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100

Ordering Information

2.92 mm Cable Assemblies on 0.085" Conformable Cable

Part Number	Description
095-825-120XXXX	2.92 mm Straight Plug to 2.92 mm Straight Plug
095-725-134XXXX	2.92 mm Straight Plug to SMPM Straight Plug
095-725-135XXXX	2.92 mm Straight Plug to SMP Straight Plug

2.92 mm Cable Assemblies on 0.141" Conformable Cable

Part Number	Description
095-825-126XXXX	2.92 mm Straight Plug to 2.92 mm Straight Plug

Standard Lengths Available

Length Code	Length in Inches (Millimeters)
-003	3.00 in (76.20 mm)
-004	4.00 in (101.60 mm)
-005	5.00 in (127 mm)
-006	6.00 in (152.40 mm)
-007	7.00 in (177.80 mm)
-008	8.00 in (203.20 mm)
-009	9.00 in (228.60 mm)
-010	10.00 in (254 mm)
-012	12.00 in (304.80 mm)
-018	18.00 in (457.20 mm)
-024	24.00 in (610 mm)
-036	36.00 in (914.40 mm)
M100	39.37 in (1000 mm)

Amphenol® RF

Technical Specifications

Electrical

	2.92 mm	SMP	SMPM
Impedance	50Ω	50Ω	50Ω
Frequency Range	DC – 40 GHz	DC – 40 GHz	DC – 40 GHz
Dielectric Withstanding Voltage	500 VRMS Min.	500 VRMS Min.	325 VRMS Min.

Environmental

Temperature Range	-65°C to +165°C	-65°C to +165°C	-65°C to +165°C
RoHS Compliance	Compliant with exemption 6C	Compliant with exemption 6C	Compliant with exemption 6C

Mechanical

Mating Cycles	100 Min.	100 Min.	100 Min.
Coupling Mechanism	Threaded	Push-on	Push-on

Materials

Body	Gold-Plated Stainless Steel	Gold-Plated Beryllium Copper	Gold-Plated Beryllium Copper
Contact	Gold-Plated Beryllium Copper	Gold-Plated Beryllium Copper	Gold-Plated Beryllium Copper

Note: Technical specifications are typical and may vary by specific part number. Please see component drawing.

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